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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name Benjamin Lee Examiner #: 72021 Date: 8/10/05
Art Unit: 2632 Phone Number _____ Serial Number: 101612731
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Jeff 2139

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Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.


US 6,255,948

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Query/Command : prt max legalall


1 / 1 PLUSPAT - ©QUESTEL-ORBIT - image

PN -  US6255948 B1 20010703 [US6255948]
TI - (B1) Security device having multiple security features and method of making same
PA - (B1) TECHNICAL GRAPHICS SECURITY PR (US)
PA0 - Technical Graphics Security Products, LLC, Milford NH [US]
IN - (B1) COTE PAUL F (US); CURDO STEPHEN B (US); WOLPERT GARY R (US); GARTNER GERALD J (US)
AP - US20344998 19981201 [1998US-0203449]
FD - Rel. Prov. 60/067,228 19971202 [1997US-P067228]
PR - US20344998 19981201 [1998US-0203449]
US6722897P 19971202 [1997US-P067228]
IC - (B1) G08B-013/14
EC - G06K-019/18
PCL - ORIGINAL (O) : 340572800; CROSS-REFERENCE (X) : 194213000
235449000 235451000 235452000 235493000 283082000 283083000
340572100 428209000 428381000 428389000 428399000 428457000
428916000
DT - Basic
CT - US4044231; US4183989; US4446204; US4511616; US4584529; US4631222;
US4631223; US4652015; US4869778; US4943093; US4980569; US5016919;
US5043201; US5082842; US5093184; US5112672; US5113062; US5190318;
US5196681; US5265916; US5279403; US5284363; US5308992; US5354099;
US5388862; US5394969; US5417316; US5419424; US5457382; US5486022;
US5516153; US5535871; US5543911; US5545885; US5583631; US5599047;
US5601931; US5614824; US5697649; US5786587; US5803503; US5949050
Richard Tucker; "Portals and Tagsa make their mark in secure labels" article
(date unknown).
De La Rue Holographics; "The Mark of Authenticity" brochure; Pub. In
Hampshire, England (date unknown).
STG - (B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001
AB - A security device having multiple security features is used with an item, such as
a secure document, ticket, label or tag, to authenticate the item and/or encode
data pertaining to the item. One example of the security device includes a carrier
substrate, a metallic layer disposed on the carrier substrate, and a magnetic layer
disposed on the metallic layer in substantial registration with at least a portion of
the metallic layer, thereby providing both metallic security features and magnetic
security features. The metallic layer and the magnetic layer also form graphic or
visually identifiable indicia on the carrier substrate to provide a visual security
feature. According to one method, the metallic layer is applied to the carrier
substrate, the magnetic layer is applied to the metallic layer, and the layers are
etched to form the graphic indicia. The magnetic layer can, in one embodiment,
include a magnetic chemical resist that is printed on the metallic layer in the form
of the graphic indicia. The magnetic security features use one or more magnetic

characteristics, such as the level of magnetism and decay rate characteristic of soft magnetics, to authenticate and/or to encode data. The magnetic security feature may also include magnetic tracks for recording data. The metallic security features use different lengths of conductive regions to authenticate and/or encode data.

UP - 2001-28

1 / 1 LGST - ©EPO


PN -  US6255948 B1 20010703 [US6255948]

AP - US20344998 19981201 [1998US-0203449]

ACT - 20031028 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20030701

UP - 2003-45

1 / 1 CRXX - ©CLAIMS/RRX

PN -  6,255,948 A 20010703 [US6255948]

PA - Technical Graphics Security Products LLC

ACT - 20030701 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20031028
REISSUE REQUEST NUMBER: 10/612731
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2632

Reissue Patent Number:

Search statement 5

6255948

July 3, 2001

Security device having multiple security features and method
of making same

LEXIS-NEXIS

Library: PATENTS

File: ALL

INVENTOR: Wolpert, Gary R. - Mason, New Hampshire; Gartner, Gerald J. - Hollis,
New Hampshire; Curdo, Stephen B. - Hollis, New Hampshire; Cote, Paul F. -
Hollis, New Hampshire

APPL-NO: 203449 (09)

FILED-DATE: December 1, 1998

GRANTED-DATE: July 3, 2001

CORE TERMS: magnetic, metallic, region, layer, indicia, conductive, chemical,
graphic, encoded, resist ...

ENGLISH-ABST:

A security device having multiple security features is used with an item, such as a secure document, ticket, label or tag, to authenticate the item and/or encode data pertaining to the item. One example of the security device includes a carrier substrate, a metallic layer disposed on the carrier substrate, and a magnetic layer disposed on the metallic layer in substantial registration with at least a portion of the metallic layer, thereby providing both metallic security features and magnetic security features. The metallic layer and the magnetic layer also form graphic or visually identifiable indicia on the carrier substrate to provide a visual security feature. According to one method, the metallic layer is applied to the carrier substrate, the magnetic layer is applied to the metallic layer, and the layers are etched to form the graphic indicia. The magnetic layer can, in one embodiment, include a magnetic chemical

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